WHAT IS CLAIMED IS:

1. Elements for transferring data, comprising:

an interface element configured to transmit a communication to a network and receive a response to the communication;

an analyzer configured to perform an admission analysis based on the response; and

a data transfer element configured to initiate data transfer based on the admission analysis.

2. The elements of claim 1, wherein the communication comprises a packet.

3. The elements of claim 1, wherein the response comprises an acknowledgment to the communication.

4. The elements of claim 1, further comprising:

a timer configured to track time after the communication is sent.

5. The elements of claim 4, wherein the analyzer proceeds with the admission analysis if the timer indicates a predetermined elapsed time prior to receiving a response to the communication.

6. The elements of claim 1, wherein the analyzer comprises:

a manager configured to analyze elapsed times for multiple communications.

7. The elements of claim 6, wherein the manager determines a mean of the elapsed times.

8. The elements of claim 6, wherein the manager determines a variance of the elapsed times.

9. The elements of claim 1, wherein the analyzer utilizes communication type information in the admission analysis.

10. The elements of claim 1, wherein the analyzer analyzes elapsed times based on communications on multiple paths.

11. The elements of claim 10, wherein the multiple paths comprise label switched paths.

12. The elements of claim 10, wherein the analyzer selects one of the multiple paths based on the admission analysis of elapsed times.

13. The elements of claim 1, wherein the elements for transferring data are located in a client and an admission control facility.

14. The elements of claim 1, wherein the analyzer is further configured to perform the admission analysis prior to receiving a request to initiate the data transfer.

15. A method of transferring data, comprising:

transmitting a communication to a network;

receiving a response to the communication;

performing admission analysis based on the response; and

initiating data transferring based on the admission analysis.

16. The method of claim 15, wherein the communication comprises a packet.

17. The method of claim 15, wherein the response comprises an acknowledgment to the communication.

18. The method of claim 15, further including:

tracking time after the communication is sent.

19. The method of claim 18, further including:

proceeding with the admission analysis if the timer reaches a threshold prior to receiving the response to the communication.

20. The method of claim 15, further including:

analyzing elapsed times for multiple communications.

21. The method of claim 20, further including:

determining a mean of the elapsed times.

22. The method of claim 20, further including:

determining a variance of the elapsed times.

23. The method of claim 15, further including:

utilizing communication type information in the admission analysis.

24. The method of claim 15, further including:

analyzing elapsed times based on communications on multiple paths.

25. The method of claim 24, wherein the multiple paths comprise label switched paths.

26. The method of claim 24, further including:

selecting one of the multiple paths based on the admission analysis of elapsed times.

27. The method of claim 15, wherein the method for transferring data is performed partially in a client and partially in an admission control facility.

28. The method of claim 15, wherein the admission analysis includes:

performing the admission analysis prior to receiving a request to initiate the data transfer.

29. A system for transferring data, comprising:

an admission control element configured to transmit a communication in a network;

a receiver for receiving the communication and sending a response;

an analyzer at the admission control element configured to perform an admission analysis based on the response; and

a data transfer element configured to initiate data transfer based on the admission analysis.

30. The system of claim 29, wherein the communication comprises a packet.

31. The system of claim 29, wherein the response comprises an acknowledgment to the communication.

32. The system of claim 29, further comprising:

a timer configured to track time after the communication is sent.

33. The system of claim 32, wherein the analyzer proceeds with the admission analysis if the timer reaches a threshold prior to receiving the response to the communication.

34. The system of claim 29, wherein the analyzer comprises:

a manager configured to analyze elapsed times for multiple communications.

35. The system of claim 34, wherein the manager determines a mean of the elapsed times.

36. The system of claim 34, wherein the manager determines a variance of the elapsed times.

37. The system of claim 29, wherein the analyzer utilizes communication type information in the admission analysis.

38. The system of claim 29, wherein the analyzer analyzes elapsed times based on communications on multiple paths.

39. The system of claim 38, wherein the multiple paths comprise label switched paths.

40. The system of claim 38, wherein the analyzer selects one of the multiple paths based on the admission analysis of elapsed times.

41. The system of claim 29, wherein the admission control element is located partially in a client and partially in an admission control facility.

42. The system of claim 29, wherein the analyzer is further configured to perform the admission analysis prior to receiving a request to initiate the data transfer.

43. A method of data transfer, comprising:

sending packets on a network path;

receiving acknowledgments in response to the packets;

analyzing the acknowledgments; and

determining whether to initiate a data transfer on the network path based on the analysis.

44. The method of claim 43, further including:

establishing a label-switched path as the network path.

45. The method of claim 43, further including:

timing how long the packets have been sent; and

initiating the analyzing upon the timing indicating a predetermined limit.

46. A method of data transfer, comprising:

sending packets on multiple paths in a network;

receiving acknowledgments for the packets;

determining network resource state based on the acknowledgments; and

initiating a data transfer or not based on the state of the network resource.

47. The method of claim 46, wherein the determining comprises:

determining a mean based on the one or more elapsed times.

48. The method of claim 46, wherein the determining comprises:

determining a variance based on the one or more elapsed times.